

WLR-19 (A) Explosion-proof electric vehicle



vehicle type	Vehicle Features Overview
WLR-19(A) Explosion-proof Electric Man-Trolley	◆ According to the latest regulatory requirements, based on the characteristics of the client's working conditions and actual needs, a new generation of zero-emission, long range endurance, high reliability and maintenance of trackless rubber wheel transporters; ◆ The whole vehicle and components adopt the top and mature basic components resources of the road electric vehicle industry to complete forward development, taking into account platform, modularity, integration and light weight; ◆ The car adopts CAN bus, information is highly shared, with powerful self-diagnostic function, which is convenient for system monitoring, testing and maintenance; ◆ The entire vehicle is equipped with a safety assistance driving system, which comprehensively improves driving safety.

WLR-19 (A) explosion-proof electric trolley parameters summary table

Vehicle Technical Parameters		WLR-19(A) Explosion-proof Electric Man-Trolley
Overall dimensions (length x width x height)(mm)		(6250±60)X(1980±19)X(2195±20)
Engine	Model	Mining Flame-proof Permanent Magnet Synchronous Frequency Converter Motor
	Rated/peak power (KW)	90/150
	Rated/Peak/Torque (N·m)	350/700
	Accumulator form	Explosion-proof lithium iron phosphate battery pack
Brake	Battery power Kw.h	117.7
	Charging time h	≥ 2
	Travelling brake	Four-wheel brakes, hydraulic brakes, wet brakes
	Parking brake	Fail-safe wet brakes
	Emergency braking	Fail-safe wet brakes
Drive type		Rear drive
Vehicle structure type		Flathead split cab
Rated number of persons (modified to suit the characteristics of the vehicle)		19 people
Wheelbase (mm)		3300
Wheelbase (front/rear) (mm)		1650/1550(front/rear)
Minimum Ground Clearance (mm)		230
Maximum Climbing Gradient (%)		≥ 25(14°)
Braking distance on flat road (cold/hot)		≤ 6m(cold state)/7.5m(hot state)
Emission standards		Completely zero emissions
Security protection		The whole vehicle adopts a three-level safety protection strategy: Level 1 for alarm: Explosion-proof lithium-ion battery power supply single battery temperature is higher than 50 °C; explosion-proof lithium-ion battery power supply less than 20% of the power; battery temperature difference is greater than 20 °C; current greater than 242A Secondary is the alarm limit power Level 3 for power system shutdown and alarm: Explosion-proof lithium-ion battery power supply single cell voltage below 2.75V; Explosion-proof lithium-ion battery power supply insulation resistance below 100Ω/V; Gas concentration of 1.0 per cent (0.5 per cent in mines with coal (rock) and gas outbursts and in gas-vented areas); Motor temperature above 135° C; Power Motor Controller Level 3 Failure; Hydraulic energy storage system pressure below 7Mpa.

*The right of interpretation of the above parameters belongs to Hubei SAFE SEIKO, and any modification will not be notified, and the illustrations in the text are not necessarily the standard models of this model.